

FIG. 1A

100555555 * 012602

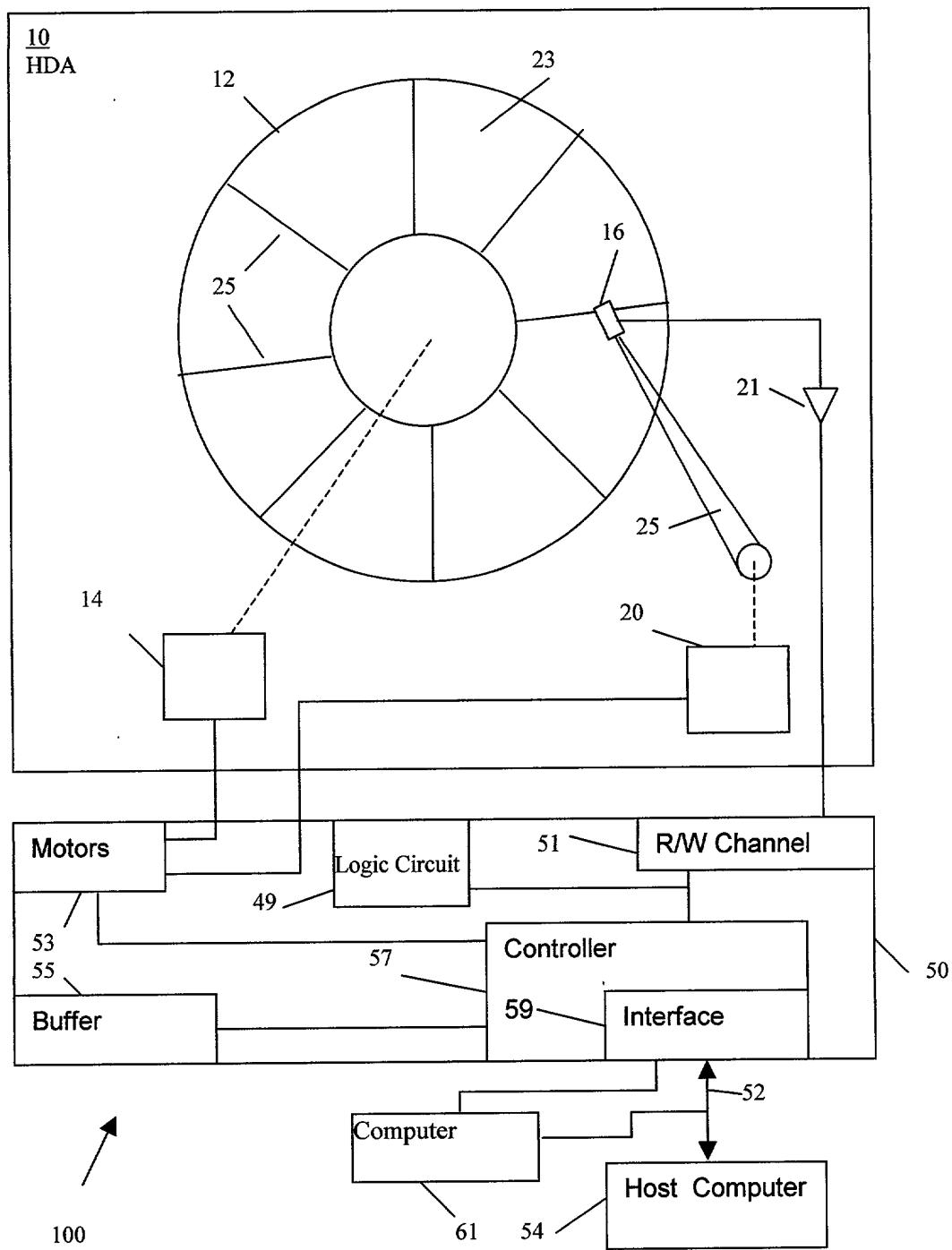


FIG. 1B

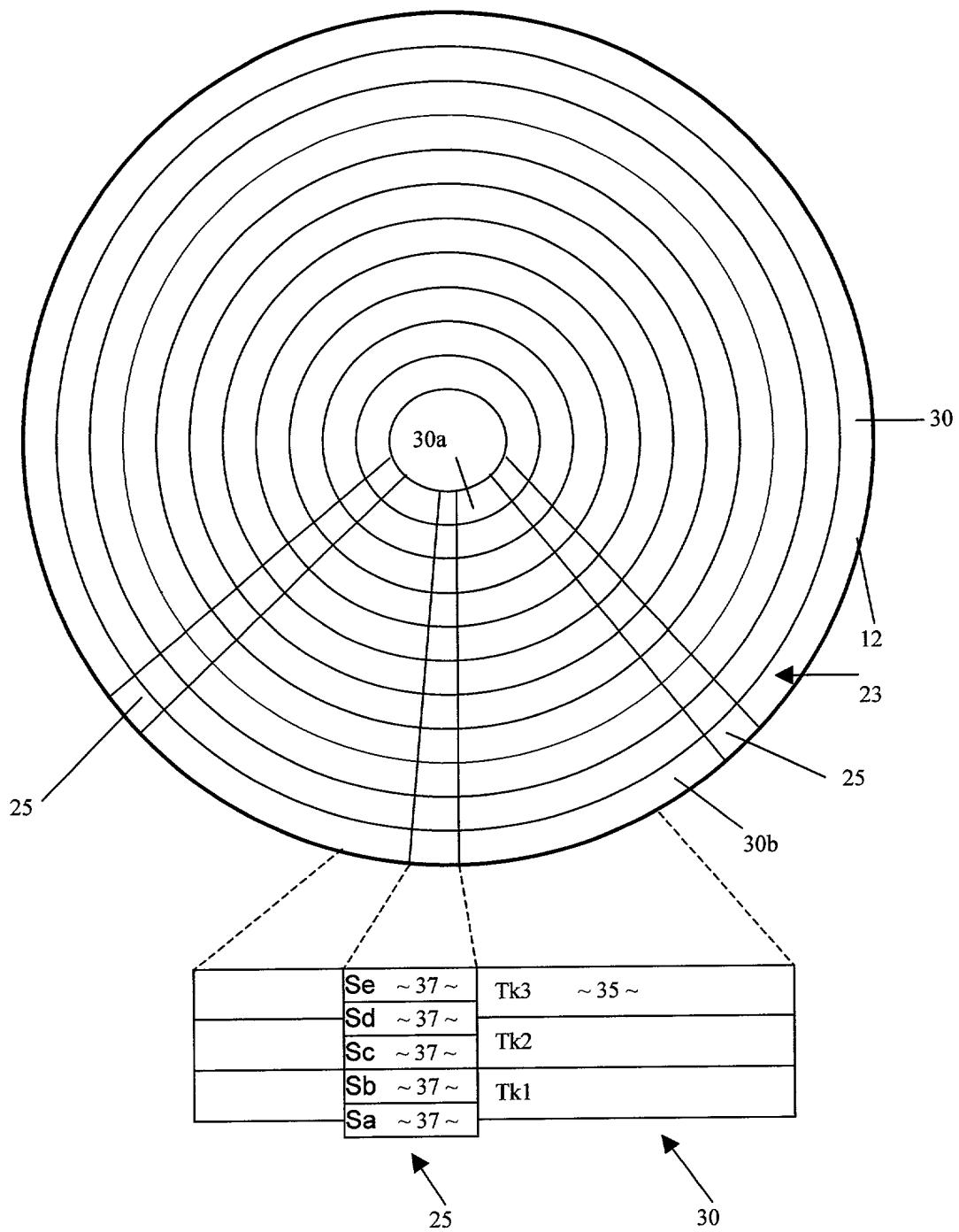


FIG. 1C

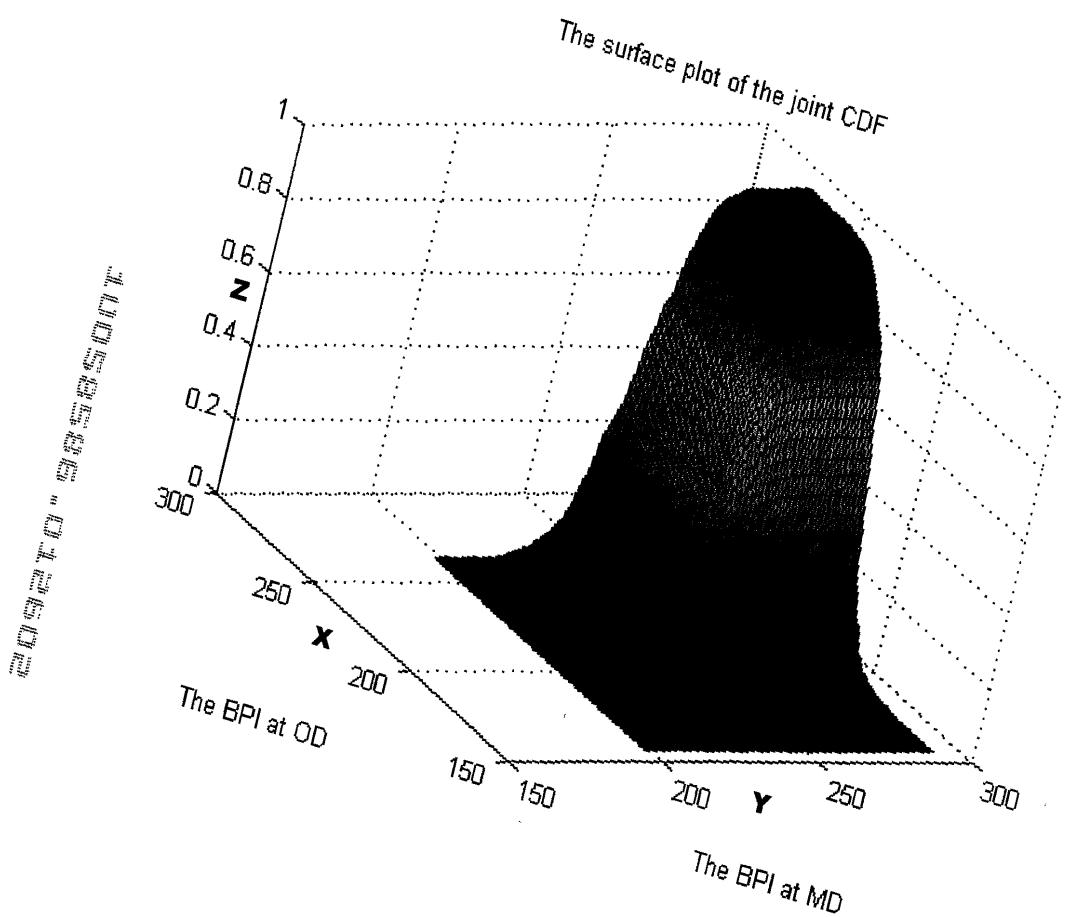
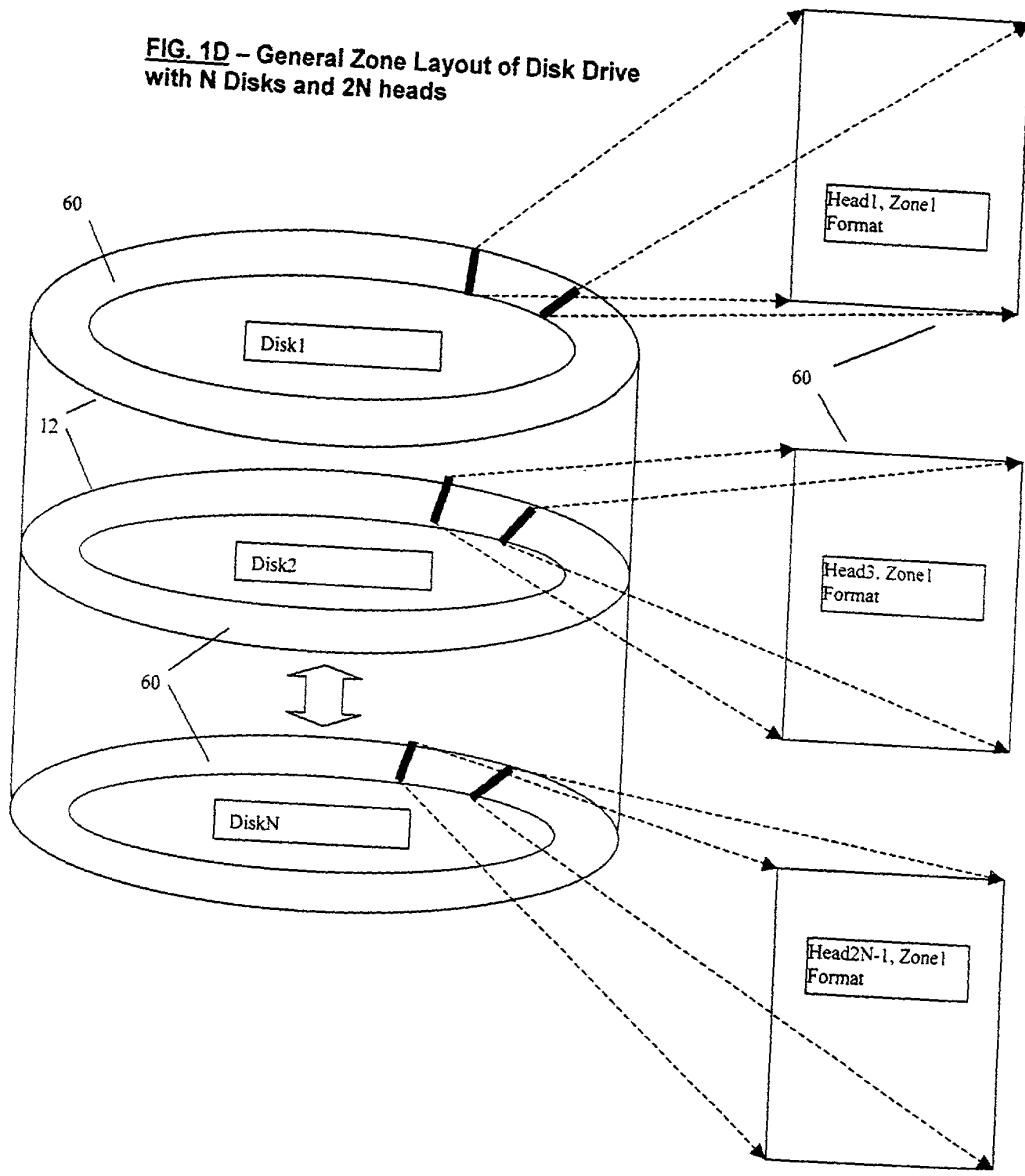


FIG. 2C

FIG. 1D – General Zone Layout of Disk Drive with N Disks and 2N heads



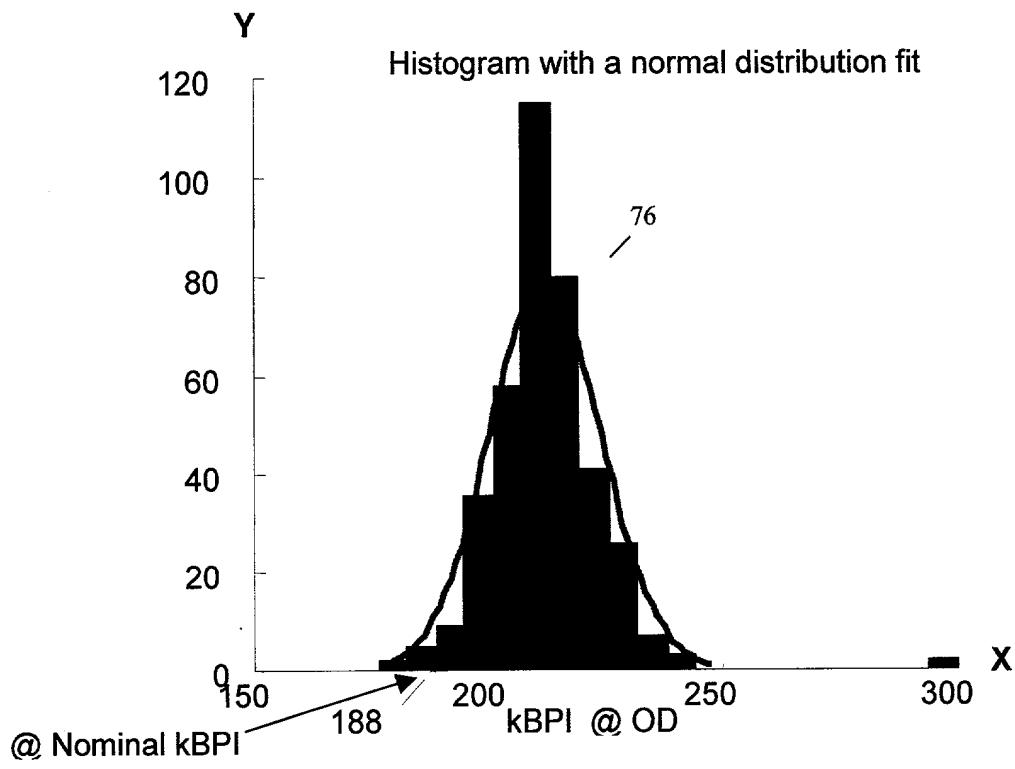
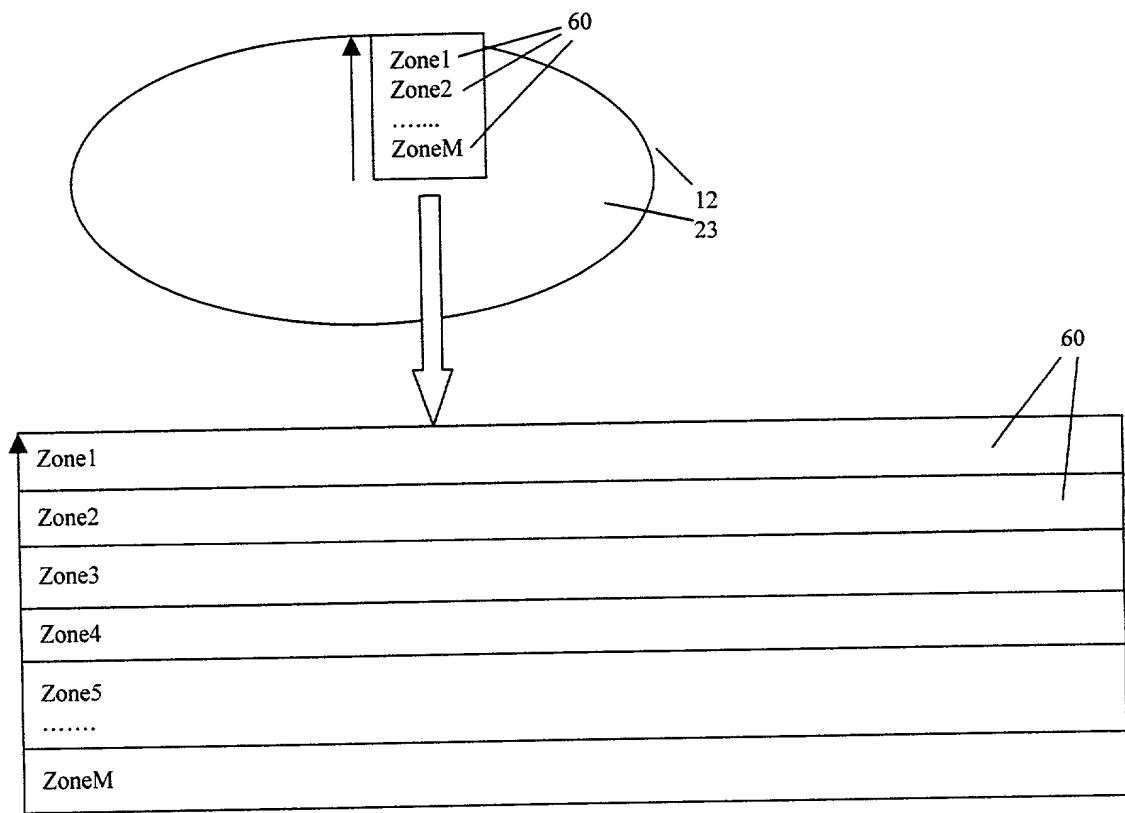


FIG. 2D

FIG. 1E – Capacity Zones for a drive surface



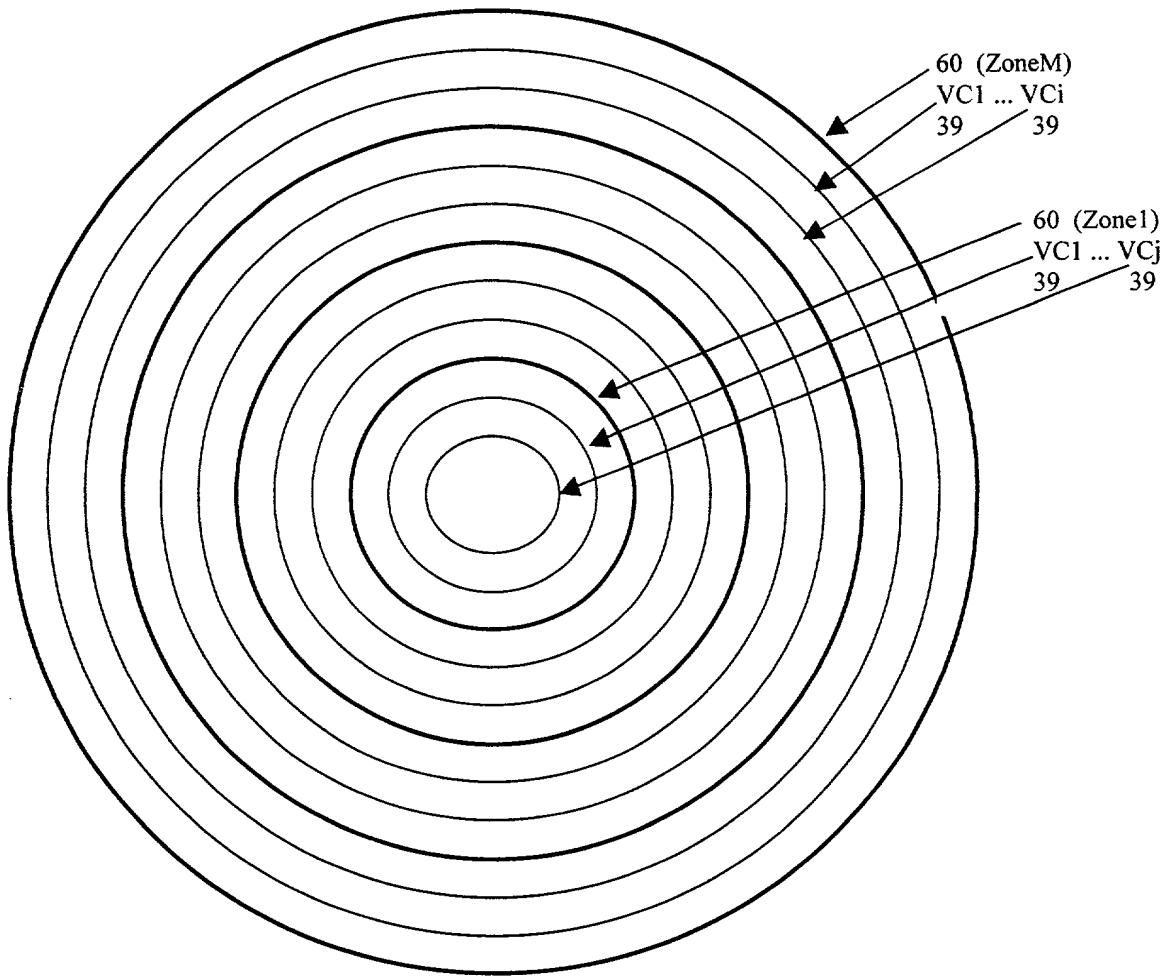
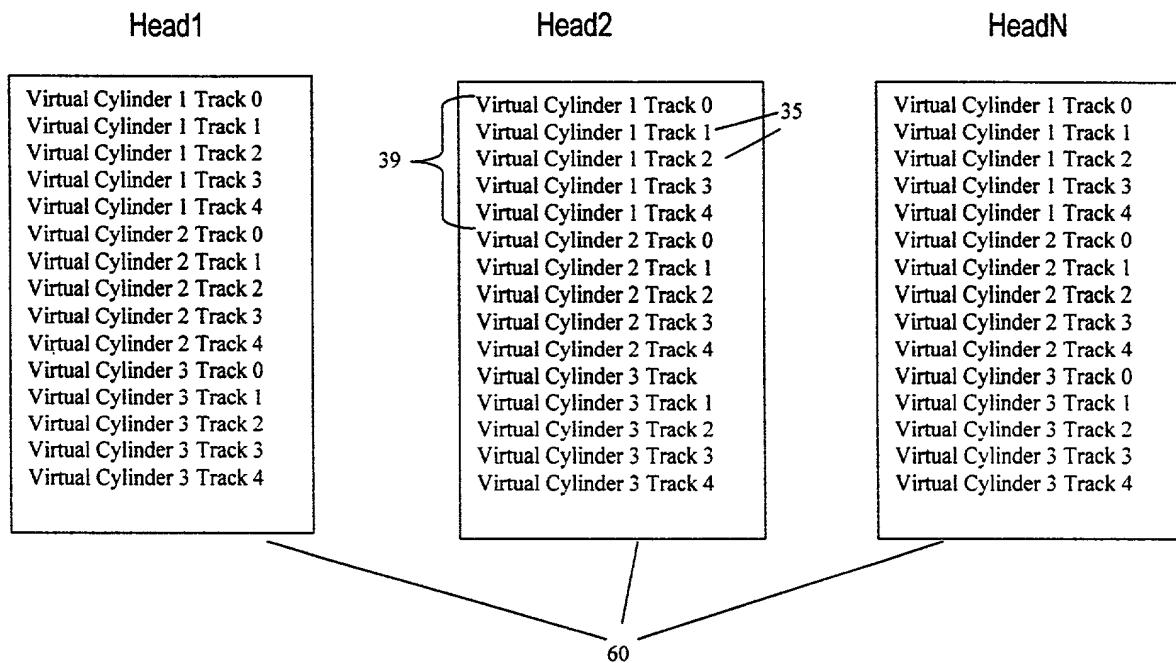


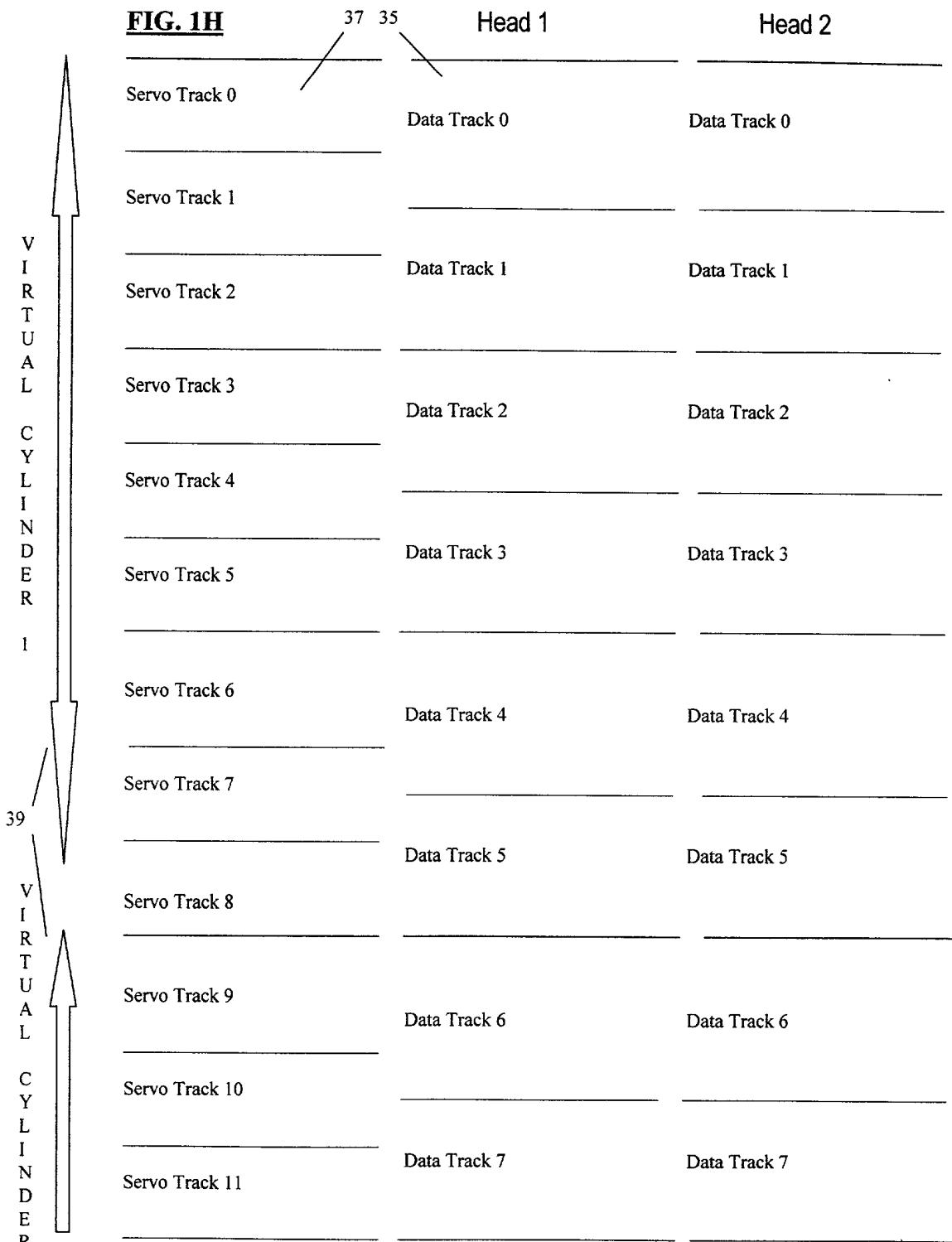
FIG. 1F

FIG. 1G – Data Tracks in Virtual Cylinders in a Zone



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FIG. 1H



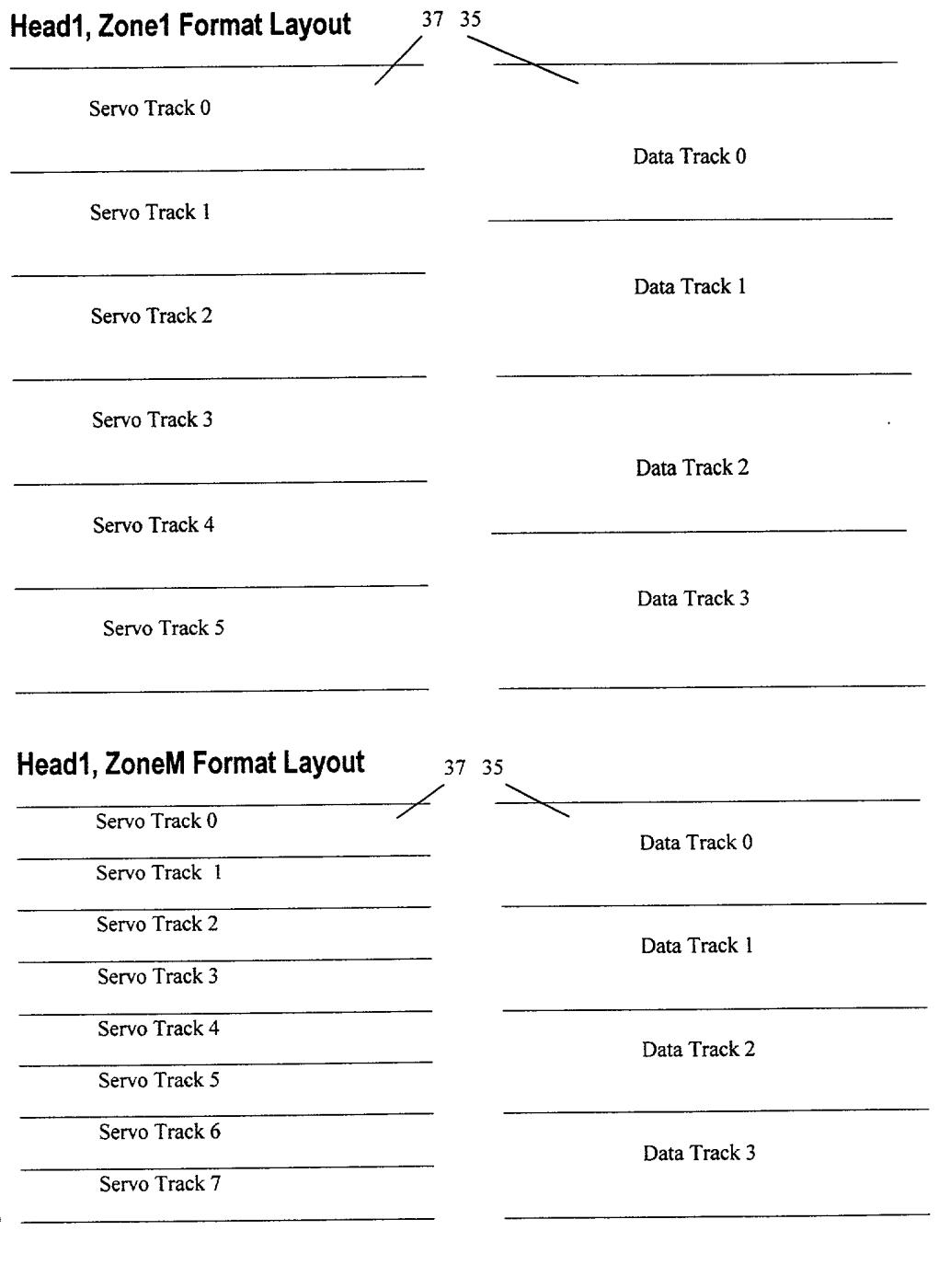


FIG. 1I - Variable Servo Track and Variable Data Track Layout per zone

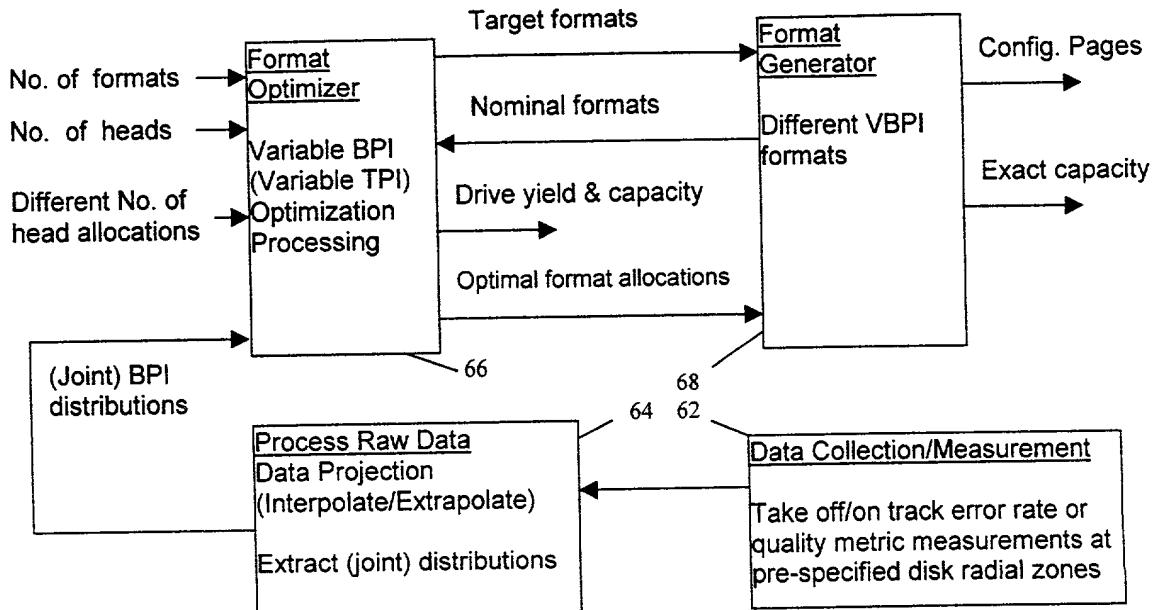


FIG. 2A

Least square polynomial fit (o) to data (+) and the projected sample (diamond) Head 5 & Drive 3

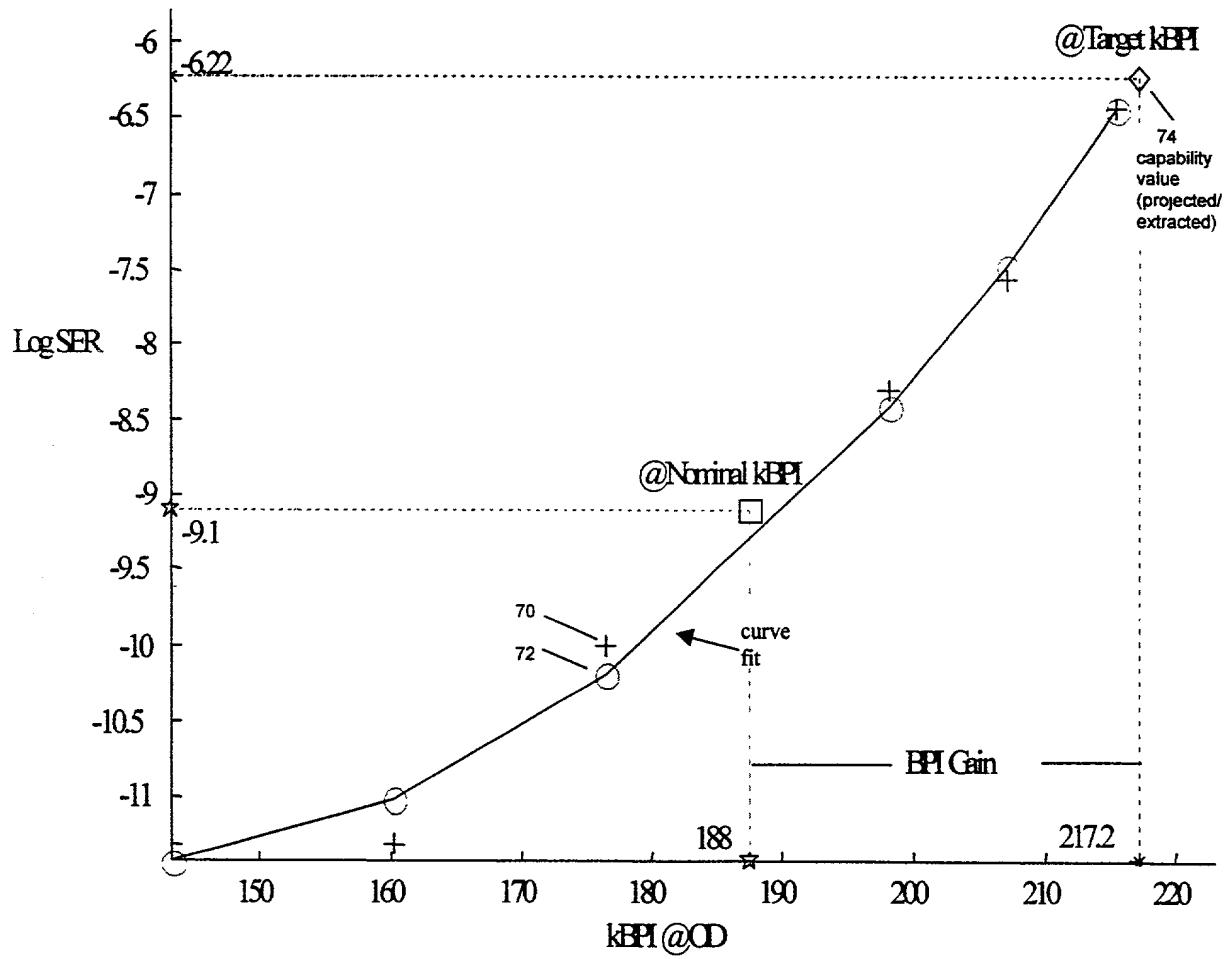


FIG. 2B

Vertical Zoning Data Collection Procedure

METHODS & EQUIPMENT

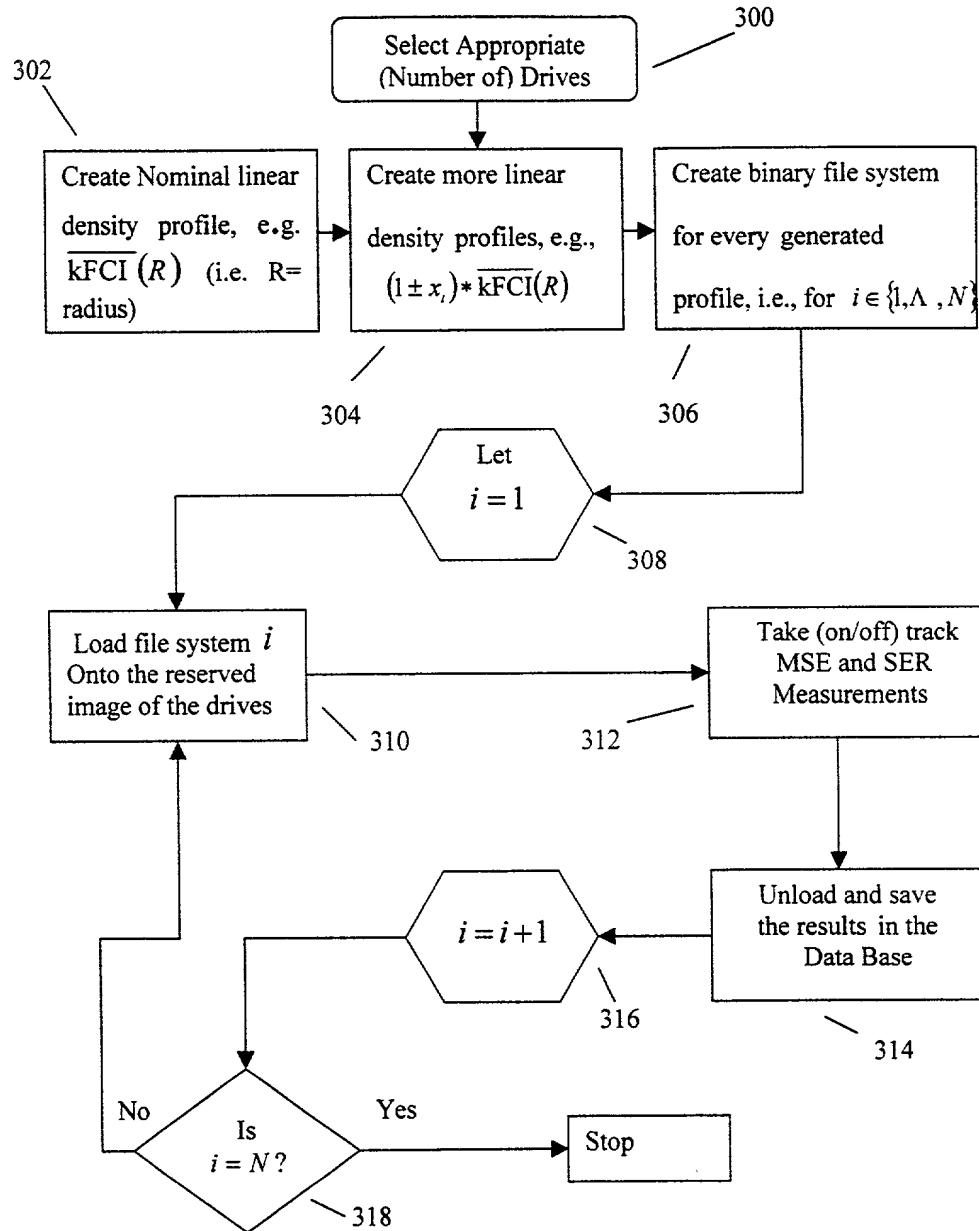


FIG. 3

Vertical Zoning Post-Processing and per zone BPI distribution Extraction

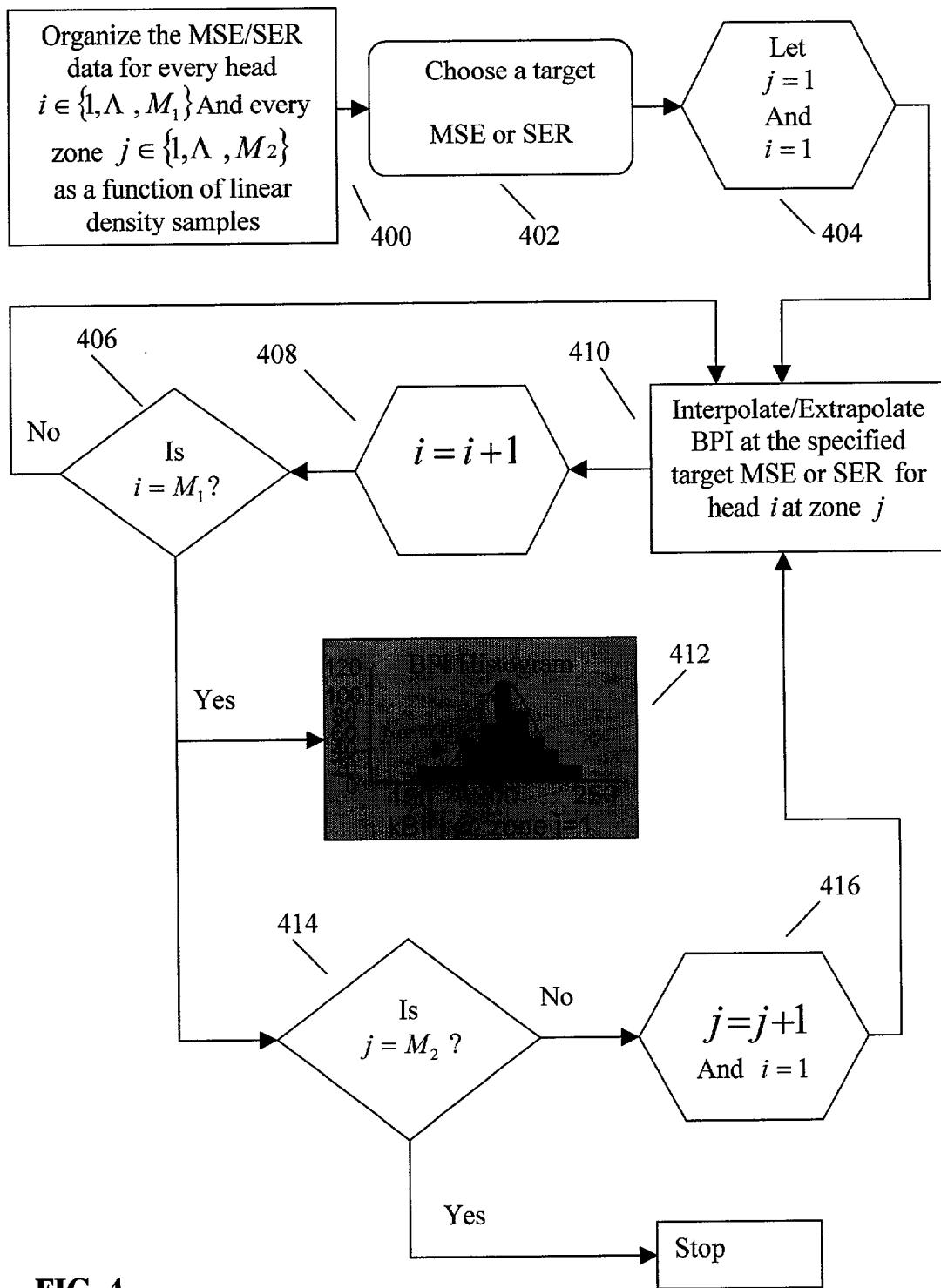


FIG. 4

Head Assignment

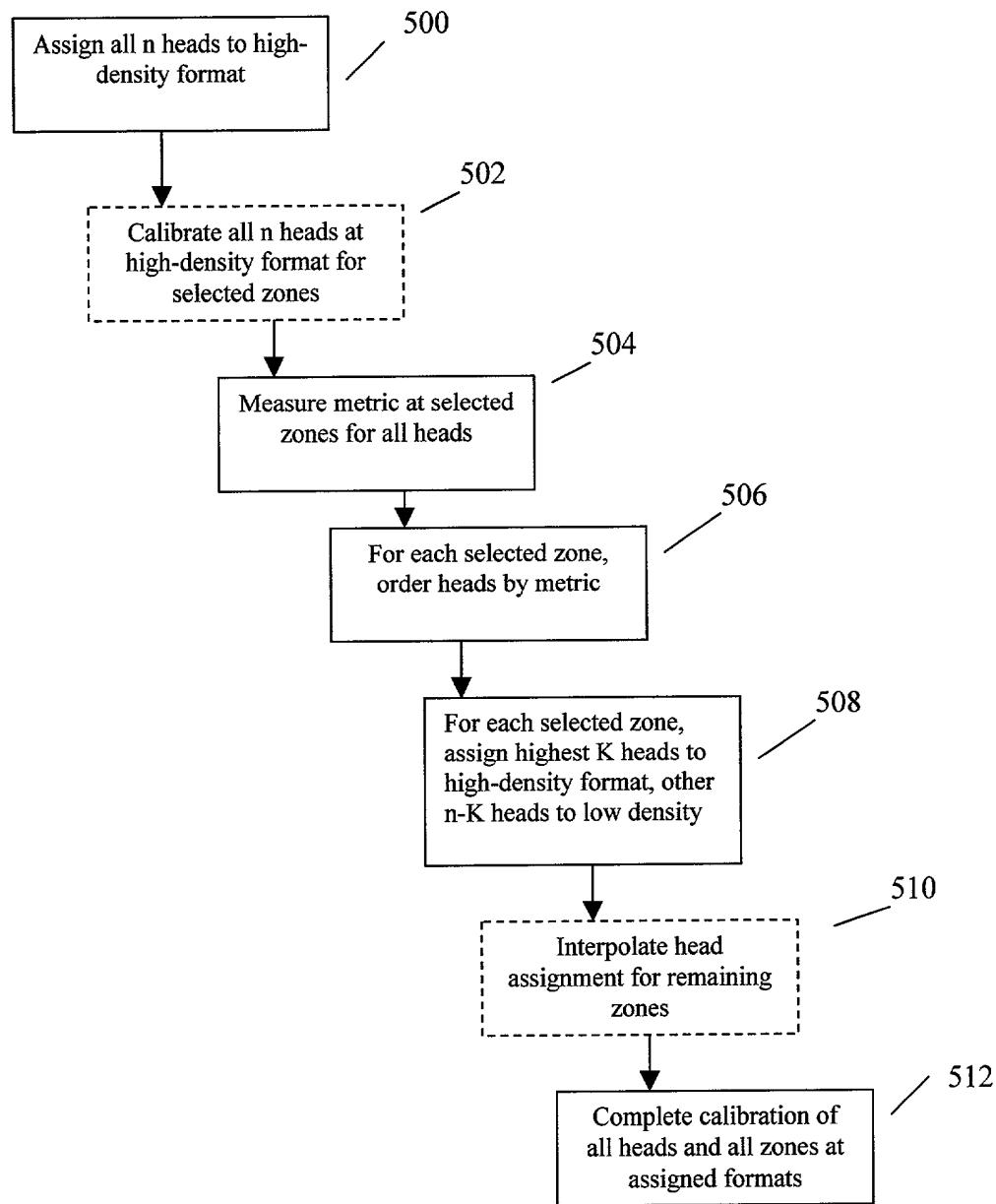
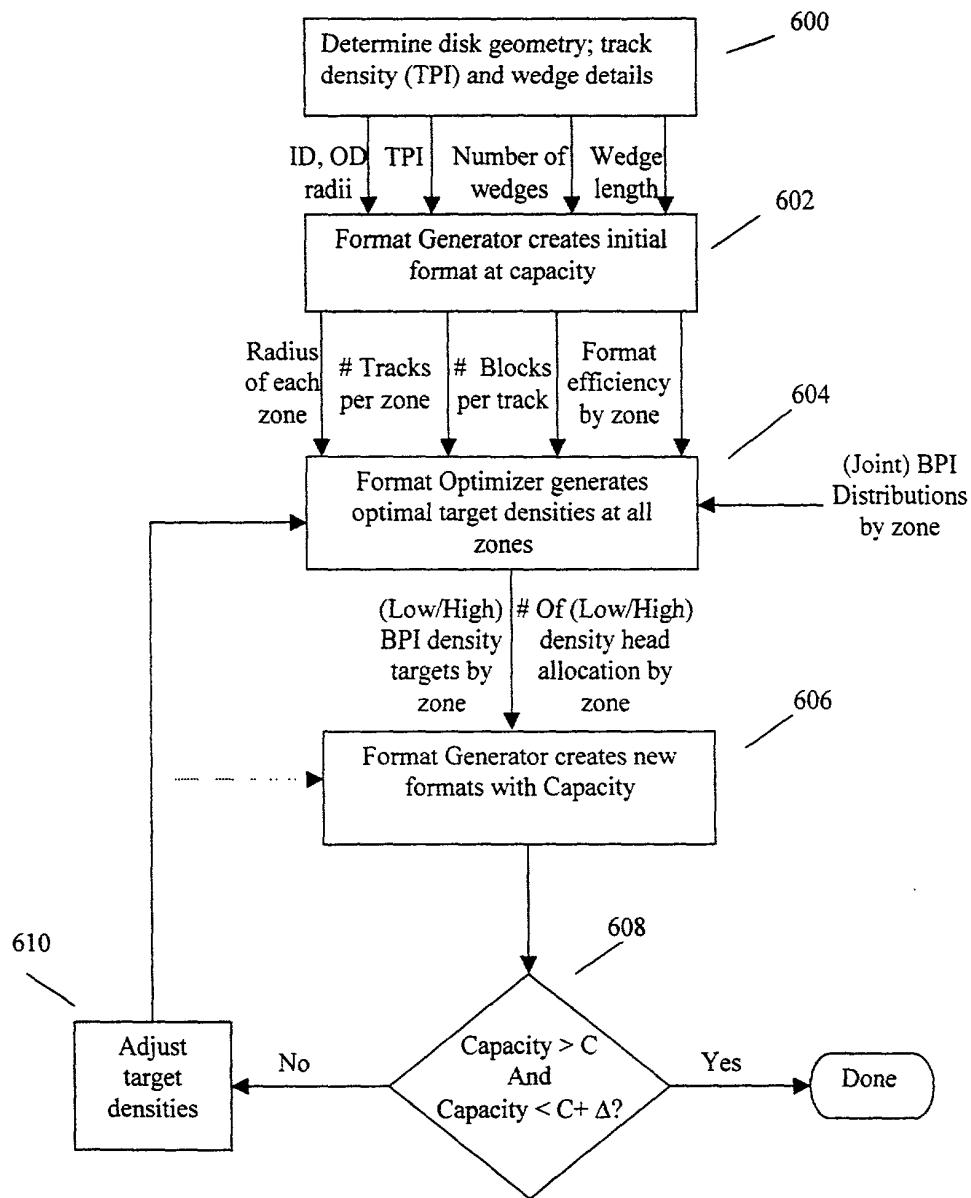


FIG. 5

Format Generator/Format Optimizer Iteration**FIG. 6**